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RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/10/072,159

TIME: 10:28:18

Input Set : N:\Crf3\RULE60\10072159.raw.txt

Output Set: N:\CRF3\02282002\J072159.raw

1 <110> APPLICANT: Bihain, Bernard
2 Bougueleret, Lydie
3 Yen-Potin, Frances
4 <120> TITLE OF INVENTION: Lipoprotein-regulating medicaments
5 <130> FILE REFERENCE: GENSET.036APC
6 <140> CURRENT APPLICATION NUMBER: 10/072,159
7 <141> CURRENT FILING DATE: 2002-02-05
8 <150> PRIOR APPLICATION NUMBER: 09/485,316
9 <151> PRIOR FILING DATE: 2000-02-04
10 <150> PRIOR APPLICATION NUMBER: FR 98/05032
11 <151> PRIOR FILING DATE: 1998-04-22
12 <150> PRIOR APPLICATION NUMBER: PCT IB98/01256
13 <151> PRIOR FILING DATE: 1998-08-06
14 <160> NUMBER OF SEQ ID NOS: 14
15 <170> SOFTWARE: Patent.pm
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 31
19 <212> TYPE: PRT
20 <213> ORGANISM: Homo sapiens
21 <220> FEATURE:
22 <221> NAME/KEY: VARIANT
23 <222> LOCATION: 2..6
24 <223> OTHER INFORMATION: Xaa=any amino acid
25 <221> NAME/KEY: VARIANT
26 <222> LOCATION: 7
27 <223> OTHER INFORMATION: Xaa=Asp or Asn
28 <221> NAME/KEY: VARIANT
29 <222> LOCATION: 8..11
30 <223> OTHER INFORMATION: Xaa=any amino acid
31 <221> NAME/KEY: VARIANT
32 <222> LOCATION: 12
33 <223> OTHER INFORMATION: Xaa=Phe or Tyr or Trp or Leu
34 <221> NAME/KEY: VARIANT
35 <222> LOCATION: 13..18
36 <223> OTHER INFORMATION: Xaa=any amino acid
37 <221> NAME/KEY: VARIANT
38 <222> LOCATION: 20..24
39 <223> OTHER INFORMATION: Xaa=any amino acid
40 <221> NAME/KEY: VARIANT
41 <222> LOCATION: 26
42 <223> OTHER INFORMATION: Xaa=any amino acid
43 <221> NAME/KEY: VARIANT
44 <222> LOCATION: 28

ENTERED

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45 <223> OTHER INFORMATION: Xaa=any amino acid
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47 <222> LOCATION: 30
48 <223> OTHER INFORMATION: Xaa=any amino acid
49 <221> NAME/KEY: VARIANT
50 <222> LOCATION: 31
51 <223> OTHER INFORMATION: Xaa=Phe or Tyr
52 <400> SEQUENCE: 1
W--> 53      Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
54          1              5              10              15
W--> 55      Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Gly Xaa Tyr Xaa Phe Xaa Xaa
56          20              25              30
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59 <211> LENGTH: 9
60 <212> TYPE: PRT
61 <213> ORGANISM: Homo sapiens
62 <220> FEATURE:
63 <221> NAME/KEY: VARIANT
64 <222> LOCATION: 1
65 <223> OTHER INFORMATION: Xaa=Ser or Thr
66 <221> NAME/KEY: VARIANT
67 <222> LOCATION: 2
68 <223> OTHER INFORMATION: Xaa=any amino acid
69 <221> NAME/KEY: VARIANT
70 <222> LOCATION: 4
71 <223> OTHER INFORMATION: Xaa=Ser or Thr
72 <221> NAME/KEY: VARIANT
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74 <223> OTHER INFORMATION: Xaa=Phe or Tyr
75 <221> NAME/KEY: VARIANT
76 <222> LOCATION: 8
77 <223> OTHER INFORMATION: Xaa=Leu or Val
78 <221> NAME/KEY: VARIANT
79 <222> LOCATION: 9
80 <223> OTHER INFORMATION: Xaa=Phe or Tyr
81 <400> SEQUENCE: 2
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86 <211> LENGTH: 15
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 3
90      Leu Arg Cys Val Pro Arg Val Leu Gly Ser Ser Val Ala Gly Tyr
91          1              5              10              15
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 16
95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens

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97 <400> SEQUENCE: 4
98     Cys Tyr Ile Thr Phe Leu Glu Asp Leu Lys Ser Phe Val Lys Ser Gln
99     1           5           10           15
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102 <211> LENGTH: 27
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: 12..27
108 <223> OTHER INFORMATION: identical to 58..73 in ref genbank U49915
109 <400> SEQUENCE: 5
110     ctacatggat ccagtcacatgc cgaagat
111                                     27
112 <210> SEQ ID NO: 6
113 <211> LENGTH: 28
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: 11..28
119 <223> OTHER INFORMATION: identical to 745..762 in ref genbank U49915 (in complement)
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121     cgacaactcg agtcagttgg tatcatgg
122                                     28
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125 <212> TYPE: PRT
126 <213> ORGANISM: Homo sapiens
127 <220> FEATURE:
128 <221> NAME/KEY: SIMILAR
129 <222> LOCATION: 1..129
130 <223> OTHER INFORMATION: fragment 117..245 of ref swissprot P02745
131 <400> SEQUENCE: 7
132     Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly Asn Val Val Ile
133     1           5           10           15
134     Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr Gln Asn His Ser
135     20           25           30
136     Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr Phe Thr Phe Gln
137     35           40           45
138     Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val Ser Ser Ser Arg
139     50           55           60
140     Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr Thr Asn Lys Gly
141     65           70           75           80
142     Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln Leu Gln Gln Gly
143     85           90           95
144     Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly His Ile Tyr Gln
145     100          105          110
146     Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu Ile Phe Pro Ser
147     115          120          125
148     Ala

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Input Set : N:\Crif3\RULE60\10072159.raw.txt

Output Set: N:\CRF3\02282002\J072159.raw

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150 <210> SEQ ID NO: 8
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152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
154 <220> FEATURE:
155 <221> NAME/KEY: SIMILAR
156 <222> LOCATION: 1..130
157 <223> OTHER INFORMATION: fragment 122..251 of ref swissprot P02745
158 <400> SEQUENCE: 8
159   Phe Ser Ala Thr Arg Thr Ile Asn Val Pro Leu Arg Arg Asp Gln Thr
160     1             5             10             15
161   Ile Arg Phe Asp His Val Ile Thr Asn Met Asn Asn Asn Tyr Glu Pro
162             20             25             30
163   Arg Ser Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr Tyr Phe Thr
164             35             40             45
165   Tyr His Ala Ser Ser Arg Gly Asn Leu Cys Val Asn Leu Met Arg Gly
166             50             55             60
167   Arg Glu Arg Ala Gln Lys Val Val Thr Phe Cys Asp Tyr Ala Tyr Asn
168             65             70             75             80
169   Thr Phe Gln Val Thr Thr Gly Gly Met Val Leu Lys Leu Glu Gln Gly
170             85             90             95
171   Glu Asn Val Phe Leu Gln Ala Thr Asp Lys Asn Ser Leu Leu Gly Met
172             100            105            110
173   Glu Gly Ala Asn Ser Ile Phe Ser Gly Phe Leu Leu Phe Pro Asp Met
174             115            120            125
175   Glu Ala
176             130
178 <210> SEQ ID NO: 9
179 <211> LENGTH: 124
180 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapiens
182 <220> FEATURE:
183 <221> NAME/KEY: SIMILAR
184 <222> LOCATION: 1..124
185 <223> OTHER INFORMATION: fragment 121..244 of ref swissprot P02745
186 <400> SEQUENCE: 9
187   Phe Thr Val Thr Arg Gln Thr His Gln Pro Pro Ala Pro Asn Ser Leu
188     1             5             10             15
189   Ile Arg Phe Asn Ala Val Leu Thr Asn Pro Gln Gly Asp Tyr Asp Thr
190             20             25             30
191   Ser Thr Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr Tyr Phe Val
192             35             40             45
193   Tyr His Ala Ser His Thr Ala Asn Leu Cys Val Leu Leu Tyr Arg Ser
194             50             55             60
195   Gly Val Lys Val Val Thr Phe Cys Gly His Thr Ser Lys Thr Asn Gln
196             65             70             75             80
197   Val Asn Ser Gly Gly Val Leu Leu Arg Leu Gln Val Gly Glu Glu Val
198             85             90             95
199   Trp Leu Ala Val Asn Asp Tyr Tyr Asp Met Val Gly Ile Gln Gly Ser

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Input Set : N:\Crf3\RULE60\10072159.raw.txt

Output Set: N:\CRF3\02282002\J072159.raw

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200          100          105          110
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202          115          120
204 <210> SEQ ID NO: 10
205 <211> LENGTH: 130
206 <212> TYPE: PRT
207 <213> ORGANISM: Homo sapiens
208 <220> FEATURE:
209 <221> NAME/KEY: SIMILAR
210 <222> LOCATION: 1..130
211 <223> OTHER INFORMATION: fragment 64..193 of translation from ref Genbank M58583
212 <400> SEQUENCE: 10
213    Phe Ser Ala Ile Arg Ser Thr Asn His Glu Pro Ser Glu Met Ser Asn
214    1          5          10          15
215    Arg Thr Met Ile Ile Tyr Phe Asp Gln Val Leu Val Asn Ile Gly Asn
216    20          25          30
217    Asn Phe Asp Ser Glu Arg Ser Thr Phe Ile Ala Pro Arg Lys Gly Ile
218    35          40          45
219    Tyr Ser Phe Asn Phe His Val Val Lys Val Tyr Asn Arg Gln Thr Ile
220    50          55          60
221    Gln Val Ser Leu Met Leu Asn Gly Trp Pro Val Ile Ser Ala Phe Ala
222    65          70          75          80
223    Gly Asp Gln Asp Val Thr Arg Glu Ala Ala Ser Asn Gly Val Leu Ile
224    85          90          95
225    Gln Met Glu Lys Gly Asp Arg Ala Tyr Leu Lys Leu Glu Arg Gly Asn
226    100          105          110
227    Leu Met Gly Gly Trp Lys Tyr Ser Thr Phe Ser Gly Phe Leu Val Phe
228    115          120          125
229    Pro Leu
230    130
232 <210> SEQ ID NO: 11
233 <211> LENGTH: 130
234 <212> TYPE: PRT
235 <213> ORGANISM: Homo sapiens
236 <220> FEATURE:
237 <221> NAME/KEY: SIMILAR
238 <222> LOCATION: 1..130
239 <223> OTHER INFORMATION: fragment 115..244 of translation from ref Genbank D45371
240 <400> SEQUENCE: 11
241    Phe Ser Val Gly Leu Glu Thr Tyr Val Thr Ile Pro Asn Met Pro Ile
242    1          5          10          15
243    Arg Phe Thr Lys Ile Phe Tyr Asn Gln Gln Asn His Tyr Asp Gly Ser
244    20          25          30
245    Thr Gly Lys Phe His Cys Asn Ile Pro Gly Leu Tyr Tyr Phe Ala Tyr
246    35          40          45
247    His Ile Thr Val Tyr Met Lys Asp Val Lys Val Ser Leu Phe Lys Lys
248    50          55          60
249    Asp Lys Ala Met Leu Phe Thr Tyr Asp Gln Tyr Gln Glu Asn Asn Val
250    65          70          75          80

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VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\10072159.raw.txt

Output Set: N:\CRF3\02282002\J072159.raw

L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2